

SET PLUR ON PERM  
SET ABBR ON PERM  
E ZINC OXIDE/CN  
L1 1 S E3  
L2 SCREEN 2021  
L3 STRUCTURE uploaded  
L4 QUE L3 AND L2  
L5 STRUCTURE uploaded  
L6 STRUCTURE uploaded  
L7 50 S L6  
L8 6992270 S S>0  
L9 153842 S L6 FULL SSS  
L10 71173 S L9 AND S>0  
SAVE TEMP STRIAZ/A L10

FILE 'CAPLUS' ENTERED AT 12:02:58 ON 01 AUG 2005  
E US2004-812127/APPS

L11 1 S E3  
SEL RN L11

FILE 'REGISTRY' ENTERED AT 12:05:39 ON 01 AUG 2005

L12 7 S E1-E7  
E 1,3,5-TRIAZINE-2,4-DIAMINE, N-(1,1-DIMETHYLETHYL)-N/CN  
L13 1 S E25  
L14 STRUCTURE uploaded  
L15 STRUCTURE uploaded  
L16 STRUCTURE uploaded  
L17 STRUCTURE uploaded  
E ZINC PYRITHION/CN  
L18 1 S E4

FILE 'CAPLUS' ENTERED AT 12:25:58 ON 01 AUG 2005

FILE 'REGISTRY' ENTERED AT 12:27:37 ON 01 AUG 2005

L19 50 S L14  
L20 4216 S L14 FULL SSS  
L21 50 S L15  
L22 7981 S L15 FULL SSS  
L23 2 S L16  
L24 55 S L16 FULL SSS  
L25 597 S L17 FULL SSS

FILE 'CAPLUS' ENTERED AT 12:32:58 ON 01 AUG 2005

L26 16 S L10 AND L20 AND L1  
L27 2 S L13 AND L18 AND L1  
L28 23 S L22 AND (L24 OR L25) AND L10  
L29 47 S L10 AND L20 AND (L22 OR L24 OR L25)  
L30 14 S L10 AND L20 AND L22 AND (L24 OR L25)

FILE 'REGISTRY' ENTERED AT 13:56:05 ON 01 AUG 2005

SAVE TEMP L20 PYR/A  
SAVE TEMP L22 ISOTHIA/A  
SAVE TEMP L24 CARBAMATE1/A  
SAVE TEMP L25 CARBAMATE2/A  
SAVE TEMP L13 ETTBTRI/A  
SAVE TEMP L18 ZINCP/A  
SAVE TEMP L1 ZNO/A

L28 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 2002:830044 CAPLUS  
 DOCUMENT NUMBER: 137:321558  
 TITLE: Water-, weather-, and alkali-resistant algicides for  
 industrial use  
 INVENTOR(S): Kubota, Takao  
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002316903	A2	20021031	JP 2001-289108	20010921
PRIORITY APPLN. INFO.:			JP 2001-38318	A 20010215

OTHER SOURCE(S): MARPAT 137:321558

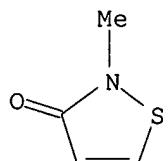
AB The algicides, useful for coatings, adhesives, etc., contain triazines, isothiazolines, and haloacetylenes. An acrylic emulsion coating containing 0.5 weight% of a xylene solution containing Irgarol 1071 (2-methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine) 5.1, Kathon 893T (2-n-octyl-4-isothiazolin-3-one) 5.1, and Troysan Polyphase P 100 (3-iodo-2-propynyl butylcarbamate) 7.5 weight% was applied on filter paper, dried, immersed in H<sub>2</sub>O for 24 h, dried, immersed in H<sub>2</sub>O for 24 h, and dried to form a coating film, which completely inhibited Chlamydomonas reinhardtii, Euglena gracilis, and Chlorella even after light irradiation for 4 wk.

IT 2682-20-4D, 2-Methyl-4-isothiazolin-3-one, mixts. containing 4299-07-4D, mixts. containing 22936-75-0D, mixts. containing 26172-55-4D, 5-Chloro-2-methyl-4-isothiazolin-3-one, mixts. containing 26530-20-1D, 2-n-Octyl-4-isothiazolin-3-one, mixts. containing 26530-24-5D, mixts. containing 28159-98-0D, 2-Methylthio-4-tert-butylamino-6-cyclopropylamino-s-triazine, mixts. containing 55406-53-6D, 3-Iodo-2-propynyl butylcarbamate, mixts. containing 64359-80-4D, 4-Chloro-2-octyl-4-isothiazolin-3-one, mixts. containing 64359-81-5D, 4,5-Dichloro-2-n-octyl-4-isothiazolin-3-one, mixts. containing 82633-79-2D, 2-Methyl-4,5-trimethylene-4-isothiazolin-3-one, mixts. containing 473544-48-8  
**473544-49-9**

RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); MOA (Modifier or additive use); TEM (Technical or engineered material use); BIOL (Biological study); USES (Uses) (water-, weather-, and alkali-resistant algicides containing triazines, isothiazolines, and haloacetylenes for industrial use)

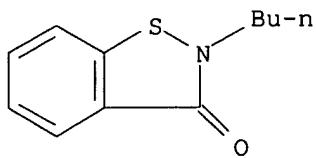
RN 2682-20-4 CAPLUS

CN 3(2H)-Isothiazolone, 2-methyl- (9CI) (CA INDEX NAME)

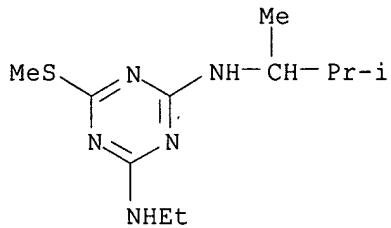


RN 4299-07-4 CAPLUS

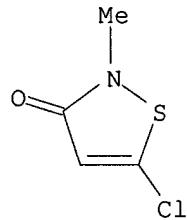
CN 1,2-Benzisothiazol-3(2H)-one, 2-butyl- (9CI) (CA INDEX NAME)



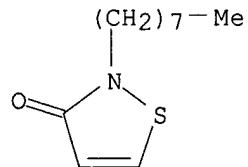
RN 22936-75-0 CAPLUS  
CN 1,3,5-Triazine-2,4-diamine, N-(1,2-dimethylpropyl)-N'-ethyl-6-(methylthio)-  
(9CI) (CA INDEX NAME)



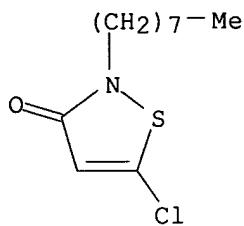
RN 26172-55-4 CAPLUS  
CN 3(2H)-Isothiazolone, 5-chloro-2-methyl- (9CI) (CA INDEX NAME)



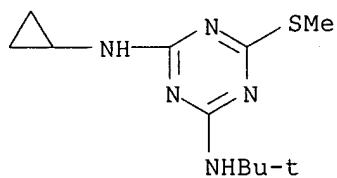
RN 26530-20-1 CAPLUS  
CN 3(2H)-Isothiazolone, 2-octyl- (9CI) (CA INDEX NAME)



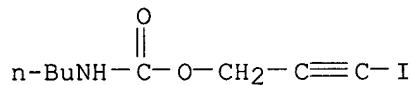
RN 26530-24-5 CAPLUS  
CN 3(2H)-Isothiazolone, 5-chloro-2-octyl- (9CI) (CA INDEX NAME)



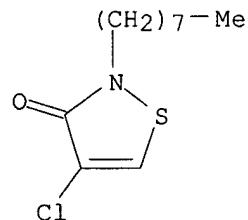
RN 28159-98-0 CAPLUS  
 CN 1,3,5-Triazine-2,4-diamine, N-cyclopropyl-N'-(1,1-dimethylethyl)-6-(methylthio)- (9CI) (CA INDEX NAME)



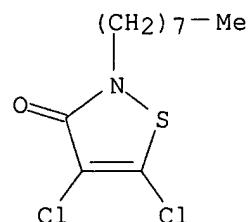
RN 55406-53-6 CAPLUS  
 CN Carbamic acid, butyl-, 3-iodo-2-propynyl ester (9CI) (CA INDEX NAME)



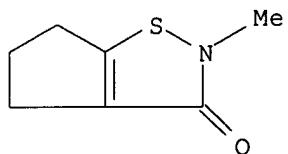
RN 64359-80-4 CAPLUS  
 CN 3(2H)-Isothiazolone, 4-chloro-2-octyl- (9CI) (CA INDEX NAME)



RN 64359-81-5 CAPLUS  
 CN 3(2H)-Isothiazolone, 4,5-dichloro-2-octyl- (9CI) (CA INDEX NAME)



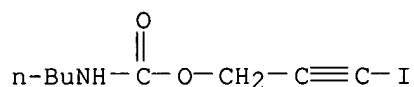
RN 82633-79-2 CAPLUS  
CN 2H-Cyclopent[d]isothiazol-3(4H)-one, 5,6-dihydro-2-methyl- (9CI) (CA INDEX NAME)



RN 473544-48-8 CAPLUS  
CN Carbamic acid, butyl-, 3-iodo-2-propynyl ester, mixt. with  
N-cyclopropyl-N'-(1,1-dimethylethyl)-6-(methylthio)-1,3,5-triazine-2,4-  
diamine and 2-octyl-3(2H)-isothiazolone (9CI) (CA INDEX NAME)

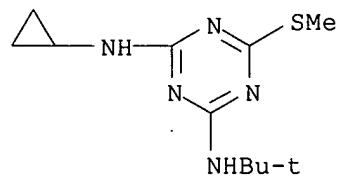
CM 1

CRN 55406-53-6  
CMF C8 H12 I N O2



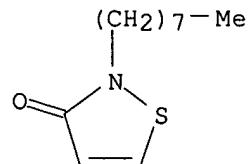
CM 2

CRN 28159-98-0  
CMF C11 H19 N5 S



CM 3

CRN 26530-20-1  
CMF C11 H19 N O S



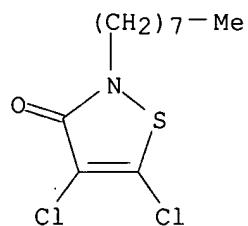
RN 473544-49-9 CAPLUS

CN Carbamic acid, butyl-, 3-iodo-2-propynyl ester, mixt. with  
N-cyclopropyl-N'-(1,1-dimethylethyl)-6-(methylthio)-1,3,5-triazine-2,4-  
diamine and 4,5-dichloro-2-octyl-3(2H)-isothiazolone (9CI) (CA INDEX  
NAME)

CM 1

CRN 64359-81-5

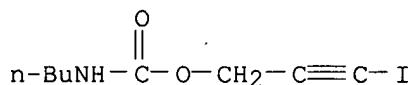
CMF C11 H17 Cl2 N O S



CM 2

CRN 55406-53-6

CMF C8 H12 I N O2



CM 3

CRN 28159-98-0

CMF C11 H19 N5 S

